

AMENDMENTS TO THE CLAIMS:

Please amend the claims and add new claims 14-21 as follows:

1. (Currently Amended) A device in a nozzle for monitoring and/or regulating of gas or liquid occurring in one or more ducts in the nozzle, or mixtures of one or more gases and/or one or more liquids ~~liquids, for example air and paint~~, in a spray gun for a painting plant, ~~characterised in that~~ comprising:

a pressure indicator is mounted in ~~a~~ the proximity of an end of said one or more ducts ~~the end of that duct~~ in ~~a~~ the channel which is intended for the gas or liquid or mixture which is to be monitored and/or regulated, ~~and is~~ the pressure indicator being connected to an electronic circuit for generating a signal corresponding to the pressure prevailing in the duct, ~~duct, and that~~

wherein the electronic circuit is connected to a circuit for regulating one or more valves for adjusting the measured pressure to a desired ~~norm~~ value.

2. (Currently Amended) The device as claimed in Claim 1, wherein said one or more ducts in the nozzle comprises one liquid duct and a plurality of gas ducts, ~~in which the nozzle has one liquid duct and a number of gas ducts, characterised in that both the~~

wherein said liquid duct is provided with a pressure indicator and said plurality a number of gas ducts are provided with a pressure indicator, ~~indicator;~~ and

wherein that the pressure indicators of said liquid duct and said plurality of gas ducts ~~indicators~~ are connected to the electronic circuit which is connected to a valve for each of said liquid duct and said plurality of gas ducts ~~duct~~ with a pressure indicator for adjusting ~~a~~ the pressure in the duct to the desired ~~norm~~ value.

3. (Currently Amended) The device as claimed in claim 1, ~~characterised in that~~ wherein the electronic

circuit includes a circuit for converting an analog signal to a digital signal.

4. (Currently Amended) The device as claimed in claim 1, ~~characterised in that~~ wherein the electronic circuit includes a processor (~~CPU~~) for executing thousands of measurements per second for realizing as exact and rapid a regulation as possible.

5. (Currently Amended) The device as claimed in Claim 4, ~~characterised in that~~ wherein the electronic circuit ~~is rehearsed to store the measurement values~~ stores the measurements in a data medium for later monitoring and evaluation.

6. (Currently Amended) The device as claimed in claim 1, ~~characterised in that~~ wherein the electronic circuit includes a low energy or battery section in an ~~the~~ immediate proximity of the nozzle ~~proper~~ from which section ~~the measurement values~~ the measurement pressure is ~~are~~ transferred to peripheral equipment ~~with the aid of a per se known transfer technology for example IR or Blue Tooth.~~

7. (Currently Amended) The device as claimed in claim 2, ~~characterised in that~~ wherein the electronic circuit includes a circuit for converting an analog signal to a digital signal.

8. (Currently Amended) The device as claimed in claim 2, ~~characterised in that~~ wherein the electronic circuit includes a processor (~~CPU~~) for executing thousands of measurements per second for realizing as exact and rapid a regulation as possible.

9. (Currently Amended) The device as claimed in claim 3, ~~characterised in that~~ wherein the electronic circuit includes a processor (~~CPU~~) for executing thousands of measurements per second for realizing as exact and rapid a regulation as possible.

10. (Currently Amended) The device as claimed in claim 2, ~~characterised in that~~ wherein the electronic circuit includes a low energy or battery section in an ~~the~~ immediate proximity of the nozzle ~~proper~~ from which section ~~the measurement values~~ the measurement pressure is ~~are~~ transferred to peripheral equipment ~~with the aid of a per se known transfer technology for example IR or Blue Tooth.~~

11. (Currently Amended) The device as claimed in claim 3, ~~characterised in that~~ wherein the electronic circuit includes a low energy or battery section in an ~~the~~ immediate proximity of the nozzle ~~proper~~ from which section ~~the measurement values~~ the measurement pressure is ~~are~~ transferred to peripheral equipment ~~with the aid of a per se known transfer technology for example IR or Blue Tooth.~~

12. (Currently Amended) The device as claimed in claim 4, ~~characterised in that~~ wherein the electronic circuit includes a low energy or battery section in an ~~the~~ immediate proximity of the nozzle ~~proper~~ from which section ~~the measurement values~~ the measurement pressure is ~~are~~ transferred to peripheral equipment ~~with the aid of a per se known transfer technology for example IR or Blue Tooth.~~

13. (Currently Amended) The device as claimed in claim 5, ~~characterised in that~~ wherein the electronic circuit includes a low energy or battery section in an ~~the~~ immediate proximity of the nozzle ~~proper~~ from which section ~~the measurement values~~ the measurement pressure is ~~are~~ transferred to peripheral equipment ~~with the aid of a per se known transfer technology for example IR or Blue Tooth.~~

14. (New) The device as claimed in claim 1, wherein said mixtures of one or more gases and/or one or more liquids comprises one of air and paint.
15. (New) The device as claimed in claim 6, wherein the measured pressure is transferred to said peripheral equipment using at least one of IR and Blue Tooth.
16. (New) The device as claimed in claim 1, further comprising a plurality of pressure indicators, wherein said pressure indicators are mounted in a proximity of an end of each of said one or more ducts.
17. (New) The device as claimed in claim 2, further comprising a plurality of pressure indicators, wherein said pressure indicators are mounted in a proximity of an end of each of said one liquid duct and said plurality of gas ducts.
18. (New) A nozzle monitoring device, the nozzle including one or more ducts, said nozzle monitoring device comprising:
 - a pressure indicator, mounted proximate an end of the one or more ducts, for monitoring a pressure of a material in the one or more ducts; and
 - an electronic circuit connected to said pressure indicator for generating a signal corresponding to the pressure of the material in the one or more ducts,
 - wherein the electronic circuit is connected to a circuit for regulating one or more valves for adjusting the pressure of the material in the one or more ducts.
19. (New) The nozzle monitoring device according to claim 18, wherein said one or more ducts comprises a gas duct and a plurality of liquid ducts.

20. (New) The nozzle monitoring device according to claim 18, further comprising a plurality of pressure indicators,

wherein said pressure indicators are mounted in a proximity of an end of each of said one or more ducts.

21. (New) A material dispensing device, comprising:

a nozzle, having at least one duct, for dispensing at least one material;

a pressure indicator, mounted proximate an end of the at least one duct, for monitoring a pressure of a material in the at least one duct; and

an electronic circuit connected to said pressure indicator for generating a signal corresponding to the pressure of the material in the at least one duct,

wherein the electronic circuit is connected to a circuit for regulating one or more valves for adjusting the pressure of the material in the at least one duct.